

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)



Applicant's or agent's file reference TSL81109PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, Item 5 below.	
International application No. PCT/JP2004/004228	International filing date (day/month/year) 25/03/2004	(Earliest) Priority Date (day/month/year) 25/03/2003
Applicant DOW CORNING TORAY SILICONE CO., LTD.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/004228

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L21/56 H01L23/31

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2002/074650 A1 (ICHITANI MASAHIRO ET AL) 20 June 2002 (2002-06-20) abstract; figures 2,19,21,23-26,29,32,35-45 page 8, paragraphs 117,123 claim 1	1,2,5-10 3,4
X A	EP 1 198 005 A (HITACHI LTD) 17 April 2002 (2002-04-17) abstract; figures 1-7 page 5, paragraphs 32,33 page 6, paragraph 42 - page 7, paragraph 51	1,2,4-7, 10 3
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

6 August 2004

Date of mailing of the international search report

13/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Favre, P

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/004228

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 049 152 A (SHINETSU CHEMICAL CO) 2 November 2000 (2000-11-02) abstract page 4, paragraph 21 page 12, paragraph 40	1,3,4
X	----- PATENT ABSTRACTS OF JAPAN vol. 2000, no. 15, 6 April 2001 (2001-04-06) & JP 2000 334782 A (NEC CORP), 5 December 2000 (2000-12-05) abstract	1,2,6-10
P,X	-& US 6 554 598 B1 (TSURUTA HISAYUKI) 29 April 2003 (2003-04-29) abstract; figure 7 column 4, line 15 - line 39 -----	1,2,6-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/004228

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002074650 A1	20-06-2002	JP 2002190488 A CN 1360344 A SG 92821 A1 TW 526598 B US 2003205797 A1	05-07-2002 24-07-2002 19-11-2002 01-04-2003 06-11-2003
EP 1198005 A	17-04-2002	WO 0059036 A1 EP 1198005 A1 TW 463334 B US 6627997 B1	05-10-2000 17-04-2002 11-11-2001 30-09-2003
EP 1049152 A	02-11-2000	EP 1049152 A2 JP 2001011288 A TW 538482 B US 6630745 B1 US 2004034161 A1	02-11-2000 16-01-2001 21-06-2003 07-10-2003 19-02-2004
JP 2000334782 A	05-12-2000	JP 3450223 B2 SG 98399 A1 US 2003122279 A1 US 6554598 B1	22-09-2003 19-09-2003 03-07-2003 29-04-2003
US 6554598 B1	29-04-2003	JP 3450223 B2 JP 2000334782 A SG 98399 A1 US 2003122279 A1	22-09-2003 05-12-2000 19-09-2003 03-07-2003